

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau



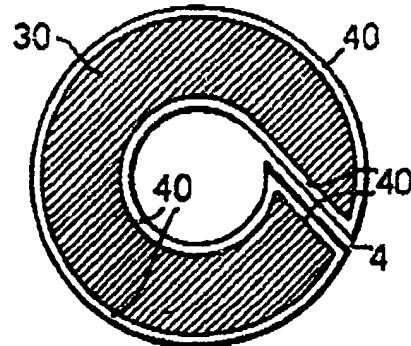
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : <b>G21F 1/10, 1/12</b>		A1	(11) International Publication Number: <b>WO 96/06435</b> (43) International Publication Date: <b>29 February 1996 (29.02.96)</b>
(21) International Application Number: <b>PCT/GB95/02013</b>		(81) Designated States: US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: <b>25 August 1995 (25.08.95)</b>		Published <i>With international search report.</i>	
(30) Priority Data: <b>9417175.8 25 August 1994 (25.08.94) GB</b>			
(71)(72) Applicants and Inventors: <b>HARE, John, Thomas [GB/GB]; 70 High Burn, Stonelaw Grange, Cramlington, Northumberland NE23 6BQ (GB). WEIR, Donald [GB/GB]; 15 Archery Rise, Nevilles Cross, Durham DH1 4LA (GB).</b>			
(74) Agent: <b>CROPP, John, Anthony, David; Mathys &amp; Squire, 100 Grays Inn Road, London WC1X 8AL (GB).</b>			

(54) Title: **MOULDED RADIATION SHIELD**

(57) Abstract

A moulded shield for a source of  $\gamma$ -rays said shield defining a cavity to receive said source and comprising a core layer of cured liquid silicone resin loaded with particulate  $\gamma$  radiation-shielding material adapted to surround a radiation source located in said cavity, said core layer being located between two outer layers of solid polymeric material. Also a method of forming a tubular shield.



**BEST AVAILABLE COPY**